

ABSTRACT OF THE DISCLOSURE

The present invention provides a method for fitting a surface to a point group using computer. The method enables to prevent an improper modification or an erroneous modification even when the point group includes a point having a low reliability, thus to achieve proper modification. The method comprises a first step for judging reliability of each of points composing the point group and a second step for changing the method for fitting the surface to the point group based on the result of judgment of the first step. In the second step, the method for fitting is changed by varying weights of the points based on the reliabilities.